

## **ABSTRACT OF THE DISCLOSURE**

An automatic frequency control (AFC) system adapted to compensate for an insufficient capture range is described herein. The AFC system may be implemented in a mobile station for use with a wireless communications system such as code division multiple access (CDMA). The AFC system determines if a transmission frequency is within a capture range. The AFC system modifies a reference frequency generated by the mobile station if the transmission frequency is not within the capture range.

FAXED "080398.P379  
Sony 50P4069

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Sony 50P4069

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Patent Application  
SZL/pwa